

**This document provides information to use
MailScan for Linux (CommuniGate Pro)**

User Guide

MailScan for Linux (CommuniGate Pro)

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Welcome

MailScan for Linux (CommuniGate Pro) brings the awesome Anti Virus and Content Security features of MicroWorld products to protect [CommuniGate Pro](#) mail servers.

There is no direct threat to GNU/Linux servers as such. But since GNU/Linux is becoming popular on Servers, Proxies and Gateways, there is a need for solution that works on the GNU/Linux Platform.

Also Server based products give centralized control of Policy deployment for clients requiring least or no modification of client computers. MailScan for Linux (CommuniGate Pro). The application is an extremely powerful web-based application that is easily configurable.

In this guide MailScan for Linux (CommuniGate Pro) is also called **CGPro**

This guide is organized into separate chapters.

[About MicroWorld](#): Provides overview of MicroWorld. Also listed are detailed [Features of CGPro](#)

[Using MailScan for Linux \(CommuniGate Pro\)](#): Explains in detail how to set up the Spam and Anti-Virus engines, configure Content and Virus filters.

Contact Us

We offer 24x7 support to our customers through e-mail, telephone and Chat.

Chat Support

- Chat with our support team at ‘[escanchat](#)’ using: AOL; MSN or Yahoo messenger service.

E-Mail Support

- If you have any queries about our products or have suggestions and comments about this guide, please send them to support@mwti.net.

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About MicroWorld

MicroWorld is one of the leading solution providers in the areas of content security and Anti-Virus products. With its corporate headquarters in Michigan, USA and development center in Mumbai, India, we offer round-the-clock support, through our regional offices and over 10,000 channel partners spread across the globe. This section provides information about eScan for Linux operating systems. Details about its features, how to use it, what to do when you have a virus, etc is provided.

MailScan for Linux (CommuniGate Pro) brings the awesome Anti Virus and Content Security features of MicroWorld products to protect [CommuniGate Pro](#) mail servers

Is a Anti-Virus solution needed for Linux

About 90% of the viruses today enter the organizations via Internet and through emails. The only solution is to provide content security or, in a broader sense, software application that can be launched as and when required. eScan for Linux answers all the needs.

There is a false feeling of security that Viruses do not infect Linux systems. To a certain extent this is true since in the architecture of Linux systems, the 'Root' or administrator owns the Programs and other users in a Linux network use the non-privilege account.

But many Linux users Open Office for word processing and import documents created in MS Word. In some cases Linux machines directly connect to Windows machine and exchange files. Script and macro viruses can be present in the documents and while they may not harm Linux machines, they can find a safe haven and remain hidden there. When

Linux users transfer or mail such documents to Windows based machines, the viruses are launched.

Key Features of MailScan for Linux (ComuniGate Pro):

- Robust Anti Spam features that allow you to create a White List of clean domains and users.
- Online RBL and DUL Controls that allow you to verify a users authenticity
- Create a Black List of known Spamming domains and users to auto block their mails
- Set Filters to check for Spam phrases and words. Apply a Spam severity level to control how Spam is identified
- Auto download Anti Virus Signatures
- Block any attachment type
- Create and send custom alerts when virus or Spam is detected in mails, to the mail sender, receiver and admin
- Quarantine Spam and virus infected mails to a directory or mailbox
- Start Anti-Virus/Spam and mail service directly from the application without quitting or reboot

Using CGPro

Server Control

SERVER STATUS

This screen provides a list of services that are running and that are shut down. You can restart the services you want. MailScan for Linux (CommuniGate Pro) has the Spam and Anti-Virus engine. They should be always running.

In the screen, when a service is running, it is identified by a black tick mark. When a service is not running, it is identified by a red cross mark. To restart a service, click on the single green arrow. To stop a service, click the red square. .

Screen elements are explained as below:

Service Name

The column lists services that are configured to run. E.g.: Spam and Anti Virus Server are two services

Service Status

This column displays the status. If the service is running then a box with a black check mark is shown. If a service has been stopped then a box with a yellow exclamation mark is displayed

Restart

A green arrow mark is displayed in the column against each service. If you wish to restart the service, then click the green arrow mark

Stop

A red square is displayed in the column against each service. If you wish to stop the service, then click the red square

View Log

To view the log of a service, click the document symbol. The Log menu screen is displayed

Mails in Quarantine

Status of mails that are identified as Spam or infected is displayed in this field. Click to view details. The details of Spam and infected mails are displayed in a popup. You can delete listed mails. To flush pending mails click the double green arrow

Send Plain Test Mail

To check if MailScan for Linux (ComuniGate Pro) is properly configured, you can send a plain test e-mail. You need to enter the sender and receivers email ID and click **Send**

Send Virus Test Mail

To check if MailScan for Linux (CommuniGate Pro) is properly configured to block emails with viruses, you can send a sample test virus e-mail. You need to enter the sender and receivers email ID and click Send. The mail is blocked and a message is sent to the sender, receiver and admin

Send Spam Test Mail

To check if MailScan for Linux (CommuniGate Pro) is properly configured to block, you can send a sample test Spam e-mail. You need to enter the sender and receivers email ID and click Send. The mail is blocked and a message is sent to the sender, receiver and admin.

Send Debug Mail

Allows you to send a debug mail. You need to enter the sender and receivers email ID and click Send.

Spam and Anti Virus Log

This page provides a log of Anti Virus and Spam activity. You can set the mail log size in MB.

Screen elements are explained as below:

Anti Virus and Spam Filter Log File Size in MB

Allows you to specify the maximum log size in MB.

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes made before you have activated the changes

Refresh

Log details are displayed in the box. Click Refresh to bring up fresh values.

Clear Logs

Entries in the log, shown in the box are cleared.

Manage Admin Users

This page allows you to change the administrators password of MailScan for Linux (CommuniGate Pro). After registering the product, it is recommended that you change the admin password. You need to enter the old password before entering the new one..

Screen elements are explained as below:

Change Admin Password:

Enter the old password, the new password and re-enter the new password for confirmation.

Click **Change Password**.

Content Filter

Content Filter Settings

MailScan for Linux (CommuniGate Pro) has a powerful Spam control that allows you to check content based on key words. Most Spam has words like 'chance of a life time' get rich, etc. You can run a check for such key words and identify mails that are Spam. Another key feature allows you to apply Spam level to phrases. This feature allows you to control how Spam is identified.

You can also create a white list of genuine domains and users. Mails from them can be regarded as legitimate. Names and IPs of known domains and users who spread Spam can be added to the black list. Mails from such IDs are automatically blocked.

Screen elements are explained as below:

Enable Spam Check

Select the check box to allow mails to be checked for Spam.

Do not check mails TO these Domains

IPs of genuine domains who are secure from Spam can be added to this list. Mails that are sent to these IDs are not checked for Spam. To enter IPs, type the domain in the entry box.

Do not check mails TO these Domains

Email IDs of users who are secure from Spam can be added to the white list of users. To enter an ID, type it in the entry box.

Do not check mails FROM these Domains

Email IDs of genuine domains who do not send Spam can be added to the white list of users. To enter an ID, type it in the entry box.

Do not check mails FROM these Users

Email IDs of genuine users who do not send Spam can be added to the white list of users. To enter an ID, type it in the entry box.

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes done before you have activated the changes.

Enable Content Check

Select the check box to allow mails to be checked for Spam.

Phrases To Be Checked

Spam is identified by key words like 'get rich' grow hair, etc. MailScan for Linux (CommuniGate Pro) has a comprehensive list of such words and these are displayed in the list box. When mails with such phrases and words arrive, they are promptly identified as Spam. You can modify or enter new phrases and words.

Apply Spam Level to Phrases

MailScan for Linux (CommuniGate Pro) allows you to apply a severity level to the phrases mentioned in the 'Phrases To Be Checked' box. This allows you to control how Spam is identified. You can apply three levels:

Low: Mail is identified as Spam when frequent instances of the listed words occur in the mail

Medium: Mail is identified as Spam when multiple instances of the listed words occur in the mail

High: Mail is identified as Spam when even one listed phrase occurs in a mail.

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Click this button to reset to the default settings.

Custom Alerts

This page allows you to create customized Spam alerts and mail them to administrator, sender and receiver. You can also quarantine Spam or modify the subject line before forwarding them to a specific ID or mailbox.. .

Screen elements are explained as below:

Spam Admin's Email ID:

Enter the Spam Admin's Email ID. When Spam mails are detected, alerts are sent automatically to this ID.

Spam Mails

When a mail is identified as Spam, you can either quarantine it or modify the subject. The Spam can then be moved to a quarantine folder or to a mailbox ID..

Modify Subject

Select the radio button to modify the subject line of Spam. The modified mail can then be moved. When you modify the subject, you ensure that the same mail is not re-identified as Spam.

Quarantine

Allows you to quarantine Spam

Mailbox Email ID

Enter the mailbox ID where mails should be quarantined

Mail Quarantine Path

Enter the path of the location where mails should be quarantined

Send Spam Alerts To

You can send Spam alerts to the Admin and the Mail Recipient.

SPAM Alert to Admin

Editable box displays the alert that is sent to the administrator. Modify the alert if needed.

Spam Alert to Rcpt

Enter the Alert that should be sent to the intended mail Recipient

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes made before you have activated the changes

RBL and DUL Settings

MAPS (Mail Abuse Prevention System) provides a list of IP addresses that are known Spammers or allow spamming. This list is called as **Black hole list**. When your server, receives a mail from a domain, not on its allow domain list, you can send a query to MAPS Server which verifies the IP.

Spammers sometimes use stealth mail tactics when their initial Spam attempts are blocked. They use a **Dial-Up-Service** (DUL) provider to connect their Spam mail service, to the server. This is trespassing on your MailServer and the MAPS DUL project helps in identifying and stopping Spam. The project has a list of DUL users who are known Spammers. To verify if the request for connection to your Server is genuine, you can send a query to dialups.mail-abuse.org. The request is verified and returned. .

Screen elements are explained as below:

Enable RBL Check

Select the check box to enable mails to be checked with the relay black hole list.

Open Relay Blackhole List Servers

Display Box provides a list of open relay blackhole list servers that check if your mail is sent by a known Spammer. You can add more server names to the list..

Enable DUL Check

Select the check box to enable mails to be checked with the dial up users list.

Dial Up Users List Servers

Display Box provides a list of dial up users list servers that check if your mail is sent by a known Spammer. You can add more server names to the list..

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes made before you have activated the changes

Virus Filter

Anti Virus Settings

This page allows you to configure anti virus settings. You can specify the white list domains and users that are reputed to be secure against viruses. You can also specify files types that should be blocked from entering or leaving your server. These file types are normally considered as virus carrier files. You can even use this feature to stop confidential data from being mailed. .

Screen elements are explained as below:

Enable Virus Check

Select the check box to check mails for viruses.

Do not scan mails TO these Domains

A list of your local domains to whom mails are sent without anti virus scanning can be created. You can add domains to the list. The domain names are displayed in the list box. This feature allows you to bypass virus checks for listed domains.

Do not scan mails TO these Users

A list of your local users to whom mails are sent without anti virus scanning can be created. You can add users to the list. The user names are displayed in the list box. This feature allows you to bypass virus checks for listed users.

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes done before you have activated the changes.

Block Attachment of Types

Some file types are known to be virus carrier files. List box shows a list such types and these will be blocked. You can add more names to the list.

Block File Attachments with multiple Extensions

Virus infected files may display double extensions like .doc.doc. You can choose to block files that have double extensions.

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes done before you have activated the changes.

Anti Virus Custom Alerts

This page allows you to create custom alerts that are sent when viruses are detected in mails. You send alerts to the mail sender, receiver and the administrator. Infected mails can be quarantined and placed in a quarantine folder or sent to a mailbox.. .

Screen elements are explained as below:

Anti Virus Admin's Email ID

Enter email ID of the administrator who looks after Anti Virus related issue

Infected Mails will be Quarantined To

When an infected mail is detected, you can quarantine it. The mail is encrypted and moved to a quarantine folder or to a mailbox ID. If the check box is unselected then the mails will be blocked. In both cases the mail will not be allowed to reach the users mailbox.

Mailbox (Email ID)

Enter the mailbox ID where mails should be quarantined

Folder (location)

Enter the path of the location where mails should be quarantined

Send Virus Alerts To

When infected mails are detected, virus alerts can be sent to the mail sender, recipient or the admin

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes made before you have activated the changes

Virus Alert to Mail Sender

Editable box displays an alert template used to send alerts to infected mail sender. Modify the alert if needed.

Virus Alert to Mail Admin

Editable box displays an alert template used to send alerts to administrator. Modify the alert if needed.

Virus Alert to Mail Rcpt

Editable box displays an alert template used to send alerts to infected mail recipient. Modify the alert if needed.

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes made before you have activated the changes

Virus Definition Updates

Updates are vaccines that detect and remove new viruses. Each month about 50 new viruses are found. Your system must have the means to identify new viruses and remove them. Updates are available as free down loads on our mirror download. This page allows you to configure MailScan for Linux (CommuniGate Pro) to connect automatically to such sites and download updates.

Screen elements are explained as below:

Update VIRUS and SPAM Definition Databases. Update Now!

Click the link to immediately download the latest updates. A new update window is opened and you can see the download progress.

Auto Update Databases

Set a schedule so that MailScan for Linux (CommuniGate Pro), downloads updates at a fixed time.

Auto Update Schedule Time

The two spin boxes allow you to set the time in hours and minutes at which updates are automatically downloaded daily.

Send Update Notification To

After updates are downloaded, a notification is sent to the ID that you enter here.

List of Update Servers

A list of MicroWorld mirror download urls is displayed in the box. Updates are downloaded on a round-robin basis from them. Add or modify the list if required.

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes made before you have activated the changes

HTTP/FTP Proxy Server for Updates

Select the check box if you use an HTTP/FTP Proxy Server to download updates.

Proxy Address: Enter the IP of the proxy server

Proxy Port: Enter the port number

Proxy Server Authentication Info

Select the check box if authentication is needed to connect to the proxy.

Username: Enter the user name used for login

Password: Enter the password to be used for authentication

Activate Changes

After validating the above fields, click this button to apply the changes to your users. A message is displayed in the top row giving status of your changes and warns you if invalid entries are made.

Reset

Clears recent changes made before you have activated the changes

Help

ABOUT MAILSCAN FOR LINUX (COMMUNIGATE PRO)

The page provides version details of MailScan for Linux (CommuniGate Pro), running on your system. You can enter the license key, register your product and also change the admin password provided to you.

Screen elements are explained as below:

About MailScan for Linux (CommuniGate Pro):

Provides version details of MailScan for Linux (CommuniGate Pro) running on your system, last update downloaded date and the number of virus signatures that are known.

Enter License Key:

The license key allows you to run MailScan for Linux (CommuniGate Pro). You can enter a new license key.

Register Product:

You need to register your product after entering the correct license key. If a wrong key is entered then an error message is displayed and you need to enter the correct key.

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